

dsRNA Expression Cassett I: Hairpin RNA

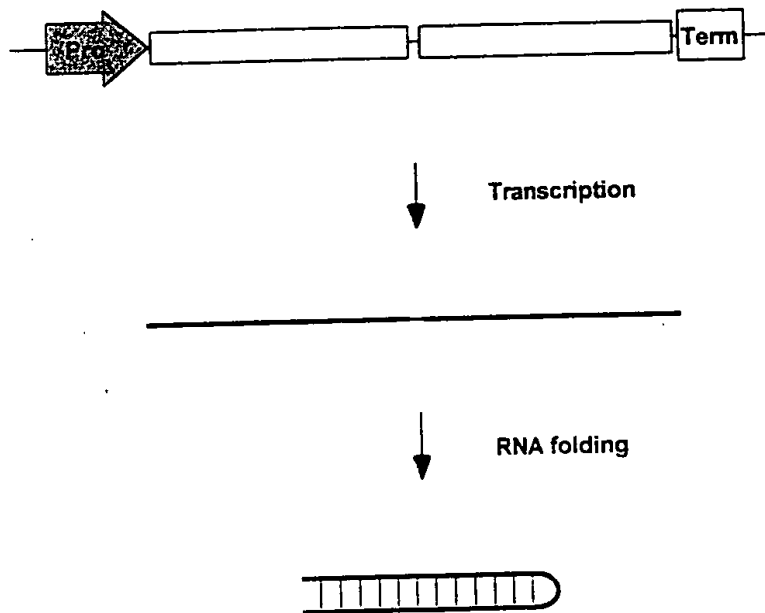


Figure 1

dsRNA Expression Cassette II: "Tru" dsRNA

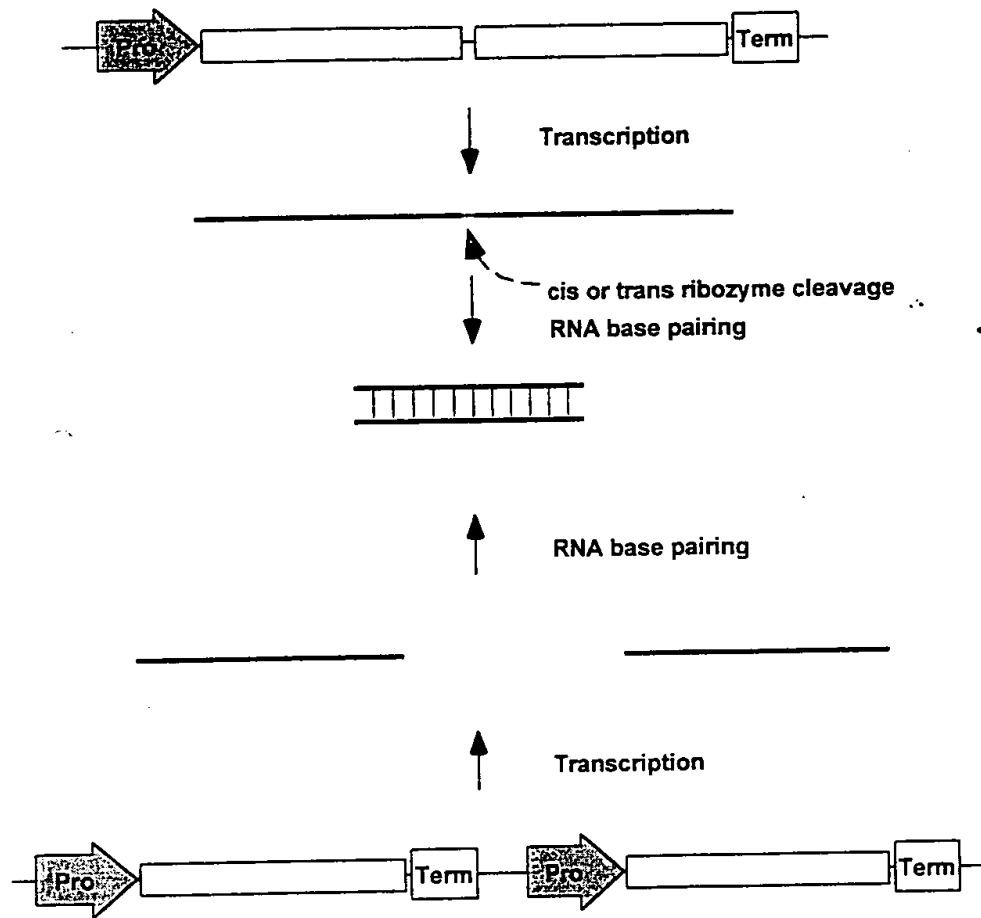


Figure 2

dsRNA Expression Cassette III: Circular RNA

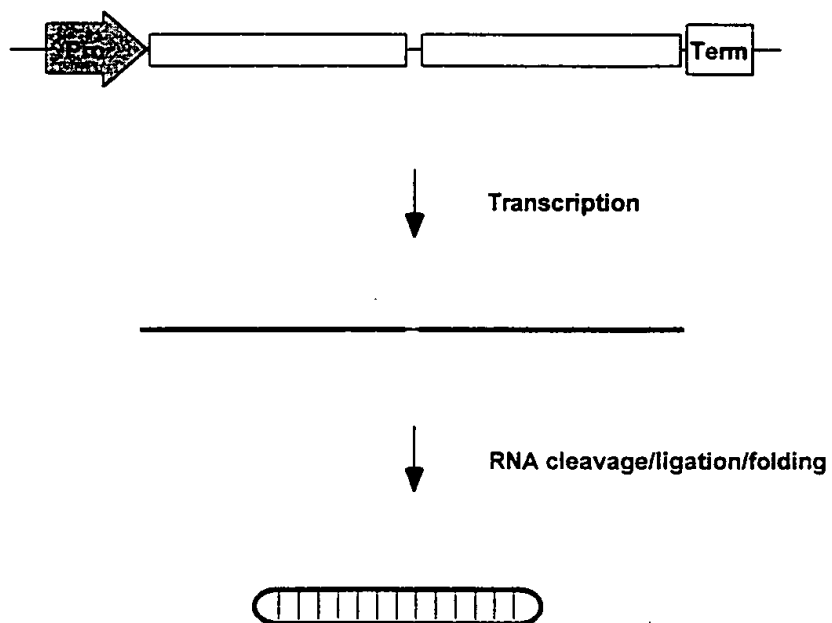


Figure 3

Plasmid vector with dsRNA and antigen cassettes

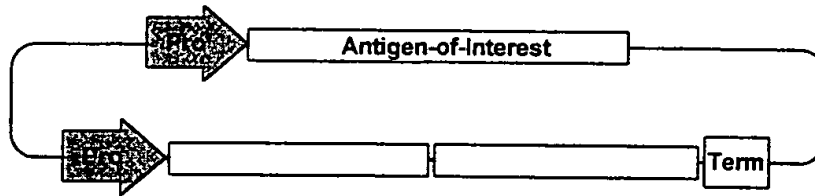
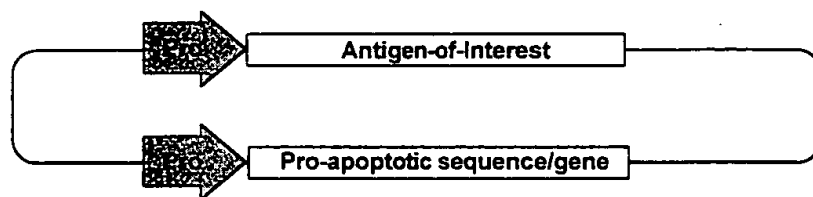


Figure 4

Pro-apptotic vectors with antigen cassettes



OR

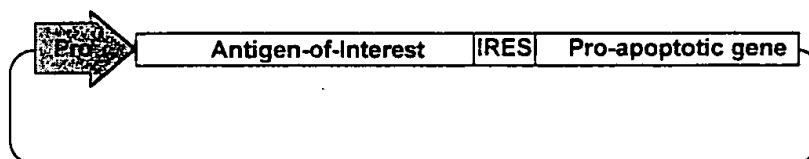


Figure 5

IL10

1 ... **ACTT** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 73 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 146 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 220 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...

COX2

1 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 74 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 149 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 225 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...

YY1

1 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 78 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 153 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 228 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 305 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...

IRF2

1 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 72 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 146 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 219 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 289 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...
 362 ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ... **CTC** ...

Figure 6

LEGEND

- ▶ :starting methionine
- ◀ — ▶ :complementary sequence for the hammerhead ribozyme
- ◀ — — ▶ :complementary sequence for the hairpin ribozyme
- Boxed sequences:target sequence for the chosen ribozyme
- Bold characters: target sequences for hammerhead ribozymes
- Bold and underlined characters: target sequences for both hammerhead and hairpin ribozymes